

July 17, 2014

## MEMORANDUM

**TO:** Zachariah E. Beasley, P.S., M.S. - Tippecanoe County Surveyor

**FROM:** David W. Eichelberger, P.E. - CBBEL, Indianapolis  
Stephen D. Benagh, CFM, CISEC - CBBEL, Indianapolis

**PROJECT:** **CSX Transportation, Inc. – Raub Siding Project**  
**CBBEL Project No. 02-038 (MX)**

**DEVELOPER/OWNER:** **CSX Transportation, Inc.**

**LOCATION:** **40° 18' 48" Latitude**  
**-86° 55' 01" Longitude**

**RECOMMENDATION:** **Conditional Approval**

CSX Transportation is proposing to construct a new siding, along the west side of the existing CSX mainline railroad from approximately 800' south of County Road 800 South to approximately 1000 feet north of County Road 625 South. The project length is approximately 2.2 miles and will encompass approximately 19.68 acres, with approximately 14.63 acres disturbed. Existing drainage will be maintained throughout the project. The project will cross Little Wea Creek and three tributaries to Little Wea Creek. Existing culverts that currently cross under the mainline railroad on Little Wea Creek and the tributaries will be extended for the new railroad siding. The Little Wea Creek culvert extensions are within the floodway of Little Wea Creek and a Construction in a Floodway Permit (FW-27535) from the Indiana Department of Natural Resources (IDNR) has been applied for, as well as an Indiana Department of Environmental Management (IDEM) Regional General Permit are currently under review.

Based on information available to CBBEL, it does not appear that any Tippecanoe County Regulated Drain exists at or near the project site. There are no regulated drain encroachments or crossings proposed with this development. Runoff from the site will continue to discharge as it currently does to tributaries of Little Wea Creek and Little Wea Creek. The project site is not located within the Tippecanoe County MS4 Area and not within a 305(b) Priority Watershed.

**The following project is recommended for Conditional Approval. The applicant should present the project at the August 6, 2014 Tippecanoe County Drainage Board Meeting and complete all conditions, prior to receiving Final Construction approval.**

### **1.0 Variances/Encroachments**

1. There are no variances or regulated drain encroachments proposed with this development.

### **2.0 Stormwater Quantity**

1. The permanent benchmark used to establish vertical control for the site survey should be noted on the plans. The benchmark reference should include the elevation, location, description and vertical datum (NGVD 1929 or NAVD 1988) of the benchmark.
2. The final plans are to be certified.

3. A copy of the approved IDNR Construction in a Floodway Permit FW-27535 should be provided.
4. The applicant should provide confirmation on the proposed Right-of-Way acquisition.
5. The Ortho-Arial sheets should be revised to provide some reference points to allow for determination of location. Also, contour labels should be legible.
6. The submitted 1/2 sets do not provide clear and legible contours or labels.
7. Sheet CE-506 should be revised to provide legible details and notes.

### **3.0 Stormwater Quality**

1. The Stormwater Pollution Prevention Plan (SWPPP) should be amended to address the following issues:
  - The concrete washouts should be shown a minimum 50' from and inlet or water course.
  - The name and contact information of the person responsible for overseeing sediment and erosion control should be provided on the plans.

### **4.0 General Conditions**

1. The applicant must present the project at the Tippecanoe County Drainage Board meeting for the project to be considered for approval.
2. Final construction plans shall be signed by the Tippecanoe County Surveyor. The number of plan sets to be signed will be determined by the Tippecanoe County Surveyor's Office.
3. No site work of any type shall start on this project without a pre-construction meeting with the Tippecanoe County Surveyor's Office.
4. The applicant must pay any final drainage review fees per Ordinance 2011-27-CM and pay the Phase II stormwater program fees.
5. The applicant must submit digital copies of both the Final Construction Plans and Final As-Built Plans.

No error or omission in the plans, calculations or applications (whether said plans, calculations or applications have been reviewed by the review engineer or not) shall permit or release the applicant and designer from constructing this work in any other manner than that provided for in the County Ordinance.

pc: AMEC

DWE/sb  
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